CONVERSION TABLE ADDED IN REGISTRAR GENERAL'S DEPARTMENT

DP 29104

FEET	INCHES	METRES
12	-	3.658
42	-	12.802

LINKS	METRES
1	0.201
2	0.402
2.27	0.457
2.37	0.477
4	0.805
4.3	0.865
5	1.006
6	1.207
8	1.609
10	2.012
15	3.018
21	4.225
22	4.426
28	5.633
30.3	6.095
32.17	6.472
48.42	9.741
49.2	9.897
67	13.478
74	14.886
83	16.697
84.2	16.938
93.5	18.809
100	20.117
100.1	20.137
100.2	20.157
100.4	20.197
103.5	20.821
103.7	20.861
104.1	20.942
111.15	22.360
113.1	22.752
127.21	25.591
140.7	28.304
144.5	29.069
150	30.175
161.9	32.565
168.25	33.847
169.8	34.158
170	34.195
176	35.406
196.3	39.489
200	40.234
218	43.855
220.7	44.395
223.8	45.021
227.2	45.705
236.08	47.492
240	48.280
244.3	49.145
253	50.896
264.24	53.157
290	58.339
300	60.350
308	61.960
308.38	62.036
310	62.362
312.4	62.845
318.2	64.012
319	64.173
324.7	65.319
325	65.380
325.5	65.480
330	66.385
346	69.604
357.5	71.918
359.3	72.280
367	73.829
380	76.444
381.2	76.685
400	80.467
404.7	81.413

CONVERSION TABLE ADDED IN REGISTRAR GENERAL'S DEPARTMENT

DP 29104 CONTINUED

LINKS	METRES
428.2	86.140
450	90.526
459	92.336
474	95.354
484.2	97.406
490.7	98.713
500	100.584
512.4	103.078
530	106.619
578.3	116.335
596	119.896
602.1	121.123
606.2	121.948
620.2	124.764
651.7	131.101
652.35	131.232
668.55	134.491
725	145.847
730.3	146.913
745.4	149.951
800	160.934
828.9	166.748
837	168.378
839.7	168.921
869.9	174.996
915	184.069
921	185.276
936	188.293
1017.55	204.698
1042.4	209.698
1048.3	210.884
1051	211.428
1100.8	221.446
1146.7	230.679
1161.7	233.697
1197.8	240.959
1222.3	245.888
1233.6	248.161
1244.65	250.384
1314.5	264.435
1324	266.346
1509.34	303.631

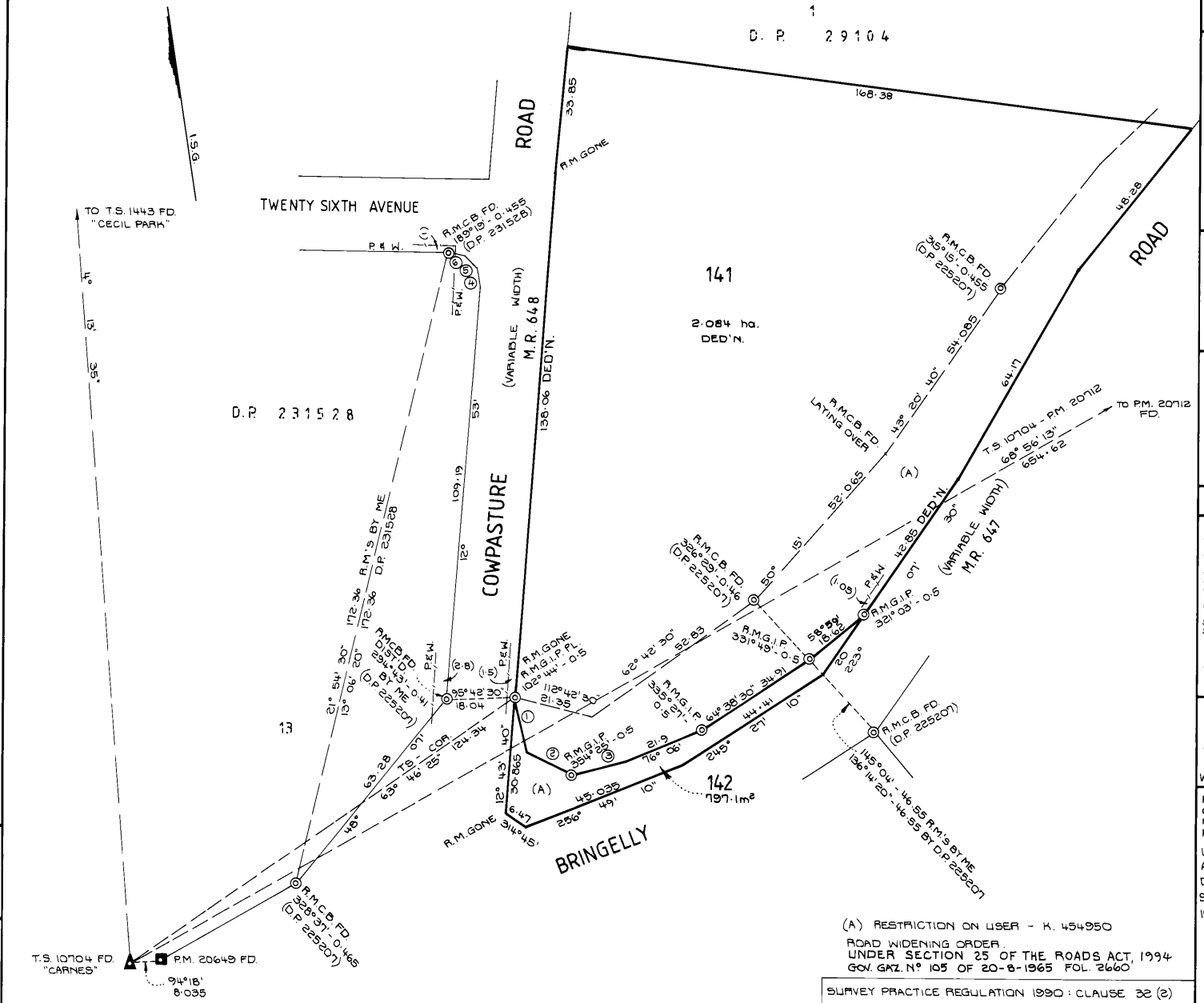
AC	RD	P	HA
5	-	7 1/2	2.042
5	-	8 1/2	2.045
5	-	9 1/2	2.047
5	-	16 3/4	2.066
5	-	21 1/4	2.077
5	-	27 3/4	2.094
5	-	31	2.1
5	-	33 1/2	2.1
5	-	34 1/2	2.111
5	1	13	2.157
5	1	15 1/4	2.163
8	2	24	3.5
9	3	20 3/4	3.998

PLAN FORM 2

Plan Drawing only to appear in this space

*OFFICE USE ONLY

SIGNATURE AND SEALS ONLY.



(A) RESTRICTION ON USER - K. 454950
ROAD WIDENING ORDER UNDER SECTION 25 OF THE ROADS ACT, 1994 GOV. GAZ. N° 105 OF 20-8-1965 FOL. 2660

SCHEDULE OF SHORT LINES		
N°	BEARING	DISTANCE
1	175° 25'	15.2
2	124° 51'	13.07
3	84° 25'	15.1
4	357° 18'	4.615
5	326° 06'	4.615
6	294° 55'	4.615

LOTS 141 & 142
LOT 14 D.P. 29104
C.T. 14 / 29104

SURVEY PRACTICE REGULATION 1990 : CLAUSE 32 (2)

ISG CO-ORDINATES				
MARK	EASTING	NORTHING	ZONE	ACC.
PM 20712	284596.354	1241987.476	561	3
PM 20649	283992.526	1241701.632	561	3
TS 10704	283984.520	1241702.228	561	2
TS 1443	284574.612	1249690.444	561	1

COMBINED SCALE FACTOR 0.999927

SOURCE: ISG CO-ORDINATES ADOPTED FROM SURVEY CONTROL BRANCH ON 16th DECEMBER 1994

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 Table of mm 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

DP 846961 *

Registered: 22.2.1995 *

C.A:

Title System: TORRENS

Purpose: PUBLIC ROADS ACT 1993

Ref. Map: U 8237 - 4

Last Plan: D.P. 29104

PLAN OF LAND TO BE ACQUIRED FOR THE PURPOSES OF THE ROADS ACT, 1993.

Lengths are in metres. Reduction Ratio 1: 800

LGA LIVERPOOL CITY

Locality: HOXTON PARK

Parish: MINTO

County: CUMBERLAND

This is sheet 1 of my plan in sheets. (Delete if inapplicable).

I, PETER GREGORY BENTLEY

of TIMBS & ASSOC. (CONSULTANTS) P/L P.O. BOX 144 FAIRFIELD 2165

a surveyor registered under the Surveyors Act 1929, hereby certify that the survey represented in this plan is accurate, has been made in accordance with the Survey Practice Regulation 1990 and was completed on 4th JANUARY 1995

Signature: P Bentley

Surveyor registered under Surveyors Act, 1929

F.B. N° 0647. 259. F.P. 0001

DATUM LINE OF ORIENTATION T.S. 10704 - P.M. 20712

Plans used in preparation of survey/compilation.
D.P. 29104
D.P. 225207
D.P. 231528

WITHIN P.S.A. U 8237 - LEPPINGTON

PANEL FOR USE ONLY for statements of intention to dedicate public roads, to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

LOT 142 IS REQUIRED FOR ROAD AND AFTER CONSTRUCTION WILL BE DEDICATED AS PUBLIC ROAD UNDER SECTION 10 OF THE ROADS ACT, 1993.

APPROVED

CHIEF SURVEYOR
ROADS & TRAFFIC AUTHORITY

Crown Lands Office Approval

PLAN APPROVED .....
Authorised Officer
Land District .....
Paper No. .....
Field Book ..... pages .....

Council's Certificate

I hereby certify that —
(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and
*(b) the requirements of †Part 3 Division 2 of the Water Board Act 1987, or †Part 5 Division 7 of the Hunter Water Board (Corporatisation) Act 1991.

have been complied with by the applicant in relation to the proposed ..... (Insert 'new road', 'subdivision' or 'consolidated lot') set out herein

Subdivision No. .....
Date .....
(Signature) .....
General Manager/Authorised Person
Council File No. .....

* This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly outside the areas of operations of the Water Board and the Hunter Water Corporation Ltd.
† Delete if inapplicable.

SURVEYOR'S REFERENCE: 23921 (L) CHECK LIST (P. 1736)

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

R.T.A. FILE 259.1500 R.T.A. PLAN 0647. 259. SS. 0001

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Appendix E - Groundwater Certificate of Analysis

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eurofins | mgt

Certificate of Analysis

Coffey Geotechnics Pty Ltd Chatswood
Level 18, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Attention: **Charlie Lee**

Report **421027-W**
Client Reference GEOTLCOV25068AA
Received Date Jun 06, 2014

Client Sample ID			**BH1A**	**BH6**
Sample Matrix			**Water**	**Water**
Eurofins | mgt Sample No.			**S14-Jn05404**	**S14-Jn05405**
Date Sampled			**Jun 04, 2014**	**Jun 06, 2014**
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1
TRH C10-36 (Total)	0.1	mg/L	< 0.1	< 0.1
BTEX				
Benzene	0.001	mg/L	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002
o-Xylene	0.001	mg/L	< 0.001	< 0.001
Xylenes - Total	0.003	mg/L	< 0.003	< 0.003
4-Bromofluorobenzene (surr.)	1	%	71	86
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				
Naphthalene[N02]	0.02	mg/L	< 0.02	< 0.02
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1
Polycyclic Aromatic Hydrocarbons				
Acenaphthene	0.001	mg/L	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001

Client Sample ID			BH1A	BH6
Sample Matrix			Water	Water
Eurofins | mgt Sample No.			S14-Jn05404	S14-Jn05405
Date Sampled			Jun 04, 2014	Jun 06, 2014
Test/Reference	LOR	Unit		
Polycyclic Aromatic Hydrocarbons				
Phenanthrene	0.001	mg/L	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001
Total PAH	0.001	mg/L	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	106	123
p-Terphenyl-d14 (surr.)	1	%	126	123
Ammonia (as N)	0.01	mg/L	0.24	0.50
Alkalinity				
Total Alkalinity (as CaCO3)	5	mg/L	1200	350
Major Anions				
Bicarbonate Alkalinity (as CaCO3)	5	mg/L	1200	350
Carbonate Alkalinity (as CaCO3)	5	mg/L	< 5	< 5
Chloride	1	mg/L	7400	6200
Nitrate (as N)	0.01	mg/L	0.09	3.2
Sulphate (as S)	2	mg/L	190	330
Alkali Metals				
Calcium	0.5	mg/L	170	130
Magnesium	0.5	mg/L	750	1100
Potassium	0.5	mg/L	28	42
Sodium	0.5	mg/L	7100	5000
Heavy Metals				
Arsenic (filtered)	0.001	mg/L	< 0.001	< 0.001
Cadmium (filtered)	0.0001	mg/L	0.0003	0.0008
Chromium (filtered)	0.001	mg/L	0.004	< 0.001
Copper (filtered)	0.001	mg/L	0.003	< 0.001
Iron (filtered)	0.05	mg/L	0.93	< 0.05
Lead (filtered)	0.001	mg/L	0.001	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001
Nickel (filtered)	0.001	mg/L	0.003	0.008
Zinc (filtered)	0.005	mg/L	0.009	0.029

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Eurofins | mgt Suite 1			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Jun 06, 2014	7 Day
- Method: E004 Petroleum Hydrocarbons (TPH)			
BTEX	Sydney	Jun 06, 2014	14 Day
- Method: E029/E016 BTEX			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jun 06, 2014	7 Day
- Method: LM-LTM-ORG2010			
Polycyclic Aromatic Hydrocarbons	Sydney	Jun 06, 2014	7 Day
- Method: E007 Polyaromatic Hydrocarbons (PAH)			
Alkalinity	Sydney	Jun 13, 2014	14 Day
- Method: E035 Alkalinity			
Major Anions			
Bicarbonate Alkalinity (as CaCO3)	Sydney	Jun 13, 2014	14 Day
- Method: E035 Alkalinity (CO3, HCO3, OH)			
Carbonate Alkalinity (as CaCO3)	Sydney	Jun 13, 2014	14 Day
- Method: E035 Alkalinity (CO3, HCO3, OH)			
Chloride	Sydney	Jun 13, 2014	28 Day
- Method: E033 /E045 /E047 Chloride			
Nitrate (as N)	Sydney	Jun 13, 2014	28 Day
- Method: E037 /E051 Nitrate as N			
Sulphate (as S)	Sydney	Jun 13, 2014	28 Day
- Method: E045 Sulphate			
Metals M8 filtered	Sydney	Jun 06, 2014	28 Day
- Method: E020/E030 Filtered Metals in Water & E026 Mercury			
Ammonia (as N)	Sydney	Jun 06, 2014	28 Day
- Method: E036/E050 Ammonia as N			
Alkali Metals	Sydney	Jun 06, 2014	180 Day
- Method: E022/E030 Unfiltered Cations in Water			
Heavy Metals (filtered)	Sydney	Jun 06, 2014	180 Day
- Method: E020/E030 Filtered Metals in Water			

ABN – 50 005 085 521 e.mail : EnviroSales@eurofins.com.au web : www.eurofins.com.au

Melbourne
3-5 Kingston Town Close
Oakleigh VIC 3166
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

Sydney
Unit F6, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
1/21 Smallwood Place
Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Company Name:	Coffey Geotechnics Pty Ltd Chatswood	**Order No.:**		**Received:**	Jun 6, 2014 4:10 PM
Address:	Level 18, Tower B, Citadel Tower 799 Pacific Highway Chatswood NSW 2067	**Report #:**	421027	**Due:**	Jun 17, 2014
		Phone:	+61 2 9406 1000	**Priority:**	5 Day
		Fax:	+61 2 9406 1002	**Contact Name:**	Charlie Lee
Client Job No.:	GEOTLCOV25068AA				

Eurofins | mgt Client Manager: Jean Heng

Sample Detail					Total Alkalinity (as CaCO3)	Polycyclic Aromatic Hydrocarbons	Metals M8 filtered	Major Anions	Major Cations (filtered Fe)	Eurofins | mgt Suite 1
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory										
Sample ID	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**						
BH1A	Jun 04, 2014		Water	S14-Jn05404	X	X	X	X	X	X
BH6	Jun 06, 2014		Water	S14-Jn05405	X	X	X	X	X	X

Eurofins | mgt Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual PQLs are matrix dependant. Quoted PQLs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Acknowledgment.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

****NOTE:** pH duplicates are reported as a range NOT as RPD

UNITS

mg/kg: milligrams per Kilogram

ug/l: micrograms per litre

ppb: Parts per billion

org/100ml: Organisms per 100 millilitres

MPN/100mL: Most Probable Number of organisms per 100 millilitres

mg/l: milligrams per litre

ppm: Parts per million

%: Percentage

NTU: Units

TERMS

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery
CRM	Certified Reference Material - reported as percent recovery
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate	A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.
Batch SPIKE	Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
ASLP	Australian Standard Leaching Procedure (AS4439.3)
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within
TEQ	Toxic Equivalency Quotient

QC - ACCEPTANCE CRITERIA

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

QC DATA GENERAL COMMENTS

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling.Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total	mg/L	< 0.003			0.003	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.02			0.02	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH C6-C10 less BTEX (F1)	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Ammonia (as N)	mg/L	< 0.01			0.01	Pass	
Method Blank							
Alkalinity							
Total Alkalinity (as CaCO3)	mg/L	< 5			5	Pass	
Method Blank							
Major Anions							
Bicarbonate Alkalinity (as CaCO3)	mg/L	< 5			5	Pass	
Carbonate Alkalinity (as CaCO3)	mg/L	< 5			5	Pass	
Chloride	mg/L	< 1			1	Pass	
Nitrate (as N)	mg/L	< 0.01			0.01	Pass	
Sulphate (as S)	mg/L	< 2			2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Alkali Metals							
Calcium	mg/L	< 0.5			0.5	Pass	
Magnesium	mg/L	< 0.5			0.5	Pass	
Potassium	mg/L	< 0.5			0.5	Pass	
Sodium	mg/L	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium (filtered)	mg/L	< 0.0001			0.0001	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Iron (filtered)	mg/L	< 0.05			0.05	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	107			70-130	Pass	
TRH C10-C14	%	79			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	111			70-130	Pass	
Toluene	%	98			70-130	Pass	
Ethylbenzene	%	96			70-130	Pass	
m&p-Xylenes	%	101			70-130	Pass	
o-Xylene	%	101			70-130	Pass	
Xylenes - Total	%	101			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	108			70-130	Pass	
TRH C6-C10	%	99			70-130	Pass	
TRH >C10-C16	%	85			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	120			70-130	Pass	
Acenaphthylene	%	121			70-130	Pass	
Anthracene	%	114			70-130	Pass	
Benz(a)anthracene	%	107			70-130	Pass	
Benzo(a)pyrene	%	91			70-130	Pass	
Benzo(b&j)fluoranthene	%	90			70-130	Pass	
Benzo(g.h.i)perylene	%	113			70-130	Pass	
Benzo(k)fluoranthene	%	85			70-130	Pass	
Chrysene	%	112			70-130	Pass	
Dibenz(a.h)anthracene	%	88			70-130	Pass	
Fluoranthene	%	112			70-130	Pass	
Fluorene	%	123			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	100			70-130	Pass	
Naphthalene	%	126			70-130	Pass	
Phenanthrene	%	114			70-130	Pass	
Pyrene	%	113			70-130	Pass	
LCS - % Recovery							
Ammonia (as N)	%	100			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Alkalinity							
Total Alkalinity (as CaCO3)	%	103			70-130	Pass	
LCS - % Recovery							
Major Anions							
Bicarbonate Alkalinity (as CaCO3)	%	103			70-130	Pass	
Chloride	%	105			70-130	Pass	
Nitrate (as N)	%	83			70-130	Pass	
Sulphate (as S)	%	105			70-130	Pass	
LCS - % Recovery							
Alkali Metals							
Calcium	%	106			70-130	Pass	
Magnesium	%	92			70-130	Pass	
Potassium	%	87			70-130	Pass	
Sodium	%	98			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic (filtered)	%	114			70-130	Pass	
Cadmium (filtered)	%	112			70-130	Pass	
Chromium (filtered)	%	120			70-130	Pass	
Copper (filtered)	%	117			70-130	Pass	
Iron (filtered)	%	116			70-130	Pass	
Lead (filtered)	%	111			70-130	Pass	
Mercury (filtered)	%	118			70-130	Pass	
Nickel (filtered)	%	117			70-130	Pass	
Zinc (filtered)	%	117			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C10-C14	S14-Jn05404	CP	%	72			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	S14-Jn05404	CP	%	76			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S14-Jn05392	NCP	%	118			70-130	Pass	
Acenaphthylene	S14-Jn05392	NCP	%	125			70-130	Pass	
Anthracene	S14-Jn05392	NCP	%	116			70-130	Pass	
Benz(a)anthracene	S14-Jn05392	NCP	%	104			70-130	Pass	
Benzo(a)pyrene	S14-Jn05392	NCP	%	89			70-130	Pass	
Benzo(b&j)fluoranthene	S14-Jn05392	NCP	%	89			70-130	Pass	
Benzo(g.h.i)perylene	S14-Jn05392	NCP	%	110			70-130	Pass	
Benzo(k)fluoranthene	S14-Jn05392	NCP	%	95			70-130	Pass	
Chrysene	S14-Jn05392	NCP	%	113			70-130	Pass	
Dibenz(a.h)anthracene	S14-Jn05392	NCP	%	82			70-130	Pass	
Fluoranthene	S14-Jn05392	NCP	%	112			70-130	Pass	
Fluorene	S14-Jn05392	NCP	%	122			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S14-Jn05392	NCP	%	93			70-130	Pass	
Naphthalene	S14-Jn05392	NCP	%	119			70-130	Pass	
Phenanthrene	S14-Jn05392	NCP	%	118			70-130	Pass	
Pyrene	S14-Jn05392	NCP	%	113			70-130	Pass	
Spike - % Recovery									
				Result 1					
Ammonia (as N)	S14-Jn07829	NCP	%	88			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Alkalinity				Result 1					
Total Alkalinity (as CaCO3)	S14-Jn07788	NCP	%	104			70-130	Pass	
Spike - % Recovery									
Major Anions				Result 1					
Bicarbonate Alkalinity (as CaCO3)	S14-Jn04729	NCP	%	112			70-130	Pass	
Nitrate (as N)	S14-Jn05127	NCP	%	98			70-130	Pass	
Sulphate (as S)	S14-Jn05953	NCP	%	103			70-130	Pass	
Spike - % Recovery									
Alkali Metals				Result 1					
Calcium	M14-Jn07148	NCP	%	100			70-130	Pass	
Magnesium	M14-Jn07148	NCP	%	88			70-130	Pass	
Potassium	M14-Jn07148	NCP	%	83			70-130	Pass	
Sodium	M14-Jn07148	NCP	%	92			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic (filtered)	S14-Jn05089	NCP	%	105			70-130	Pass	
Cadmium (filtered)	S14-Jn05089	NCP	%	101			70-130	Pass	
Chromium (filtered)	S14-Jn05089	NCP	%	104			70-130	Pass	
Copper (filtered)	S14-Jn05089	NCP	%	98			70-130	Pass	
Iron (filtered)	S14-Jn05128	NCP	%	96			70-130	Pass	
Lead (filtered)	S14-Jn05089	NCP	%	94			70-130	Pass	
Mercury (filtered)	S14-Jn05089	NCP	%	97			70-130	Pass	
Nickel (filtered)	S14-Jn05089	NCP	%	100			70-130	Pass	
Zinc (filtered)	S14-Jn05089	NCP	%	97			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	S14-Jn05405	CP	%	96			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S14-Jn05405	CP	%	97			70-130	Pass	
Toluene	S14-Jn05405	CP	%	83			70-130	Pass	
Ethylbenzene	S14-Jn05405	CP	%	89			70-130	Pass	
m&p-Xylenes	S14-Jn05405	CP	%	109			70-130	Pass	
o-Xylene	S14-Jn05405	CP	%	110			70-130	Pass	
Xylenes - Total	S14-Jn05405	CP	%	109			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S14-Jn05405	CP	%	88			70-130	Pass	
TRH C6-C10	S14-Jn05405	CP	%	85			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S14-Jn05404	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S14-Jn05404	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S14-Jn05404	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S14-Jn05404	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S14-Jn05404	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S14-Jn05404	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total	S14-Jn05404	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S14-Jn05404	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	S14-Jn05404	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10 less BTEX (F1)	S14-Jn05404	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	S14-Jn07829	NCP	mg/L	0.029	0.028	4.0	30%	Pass	
Duplicate									
Alkalinity				Result 1	Result 2	RPD			
Total Alkalinity (as CaCO3)	S14-Jn05136	NCP	mg/L	1000	1100	7.0	30%	Pass	
Duplicate									
Major Anions				Result 1	Result 2	RPD			
Bicarbonate Alkalinity (as CaCO3)	S14-Jn07788	NCP	mg/L	560	490	14	30%	Pass	
Carbonate Alkalinity (as CaCO3)	S14-Jn04729	NCP	mg/L	< 5	< 5	<1	30%	Pass	
Nitrate (as N)	S14-Jn05155	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Sulphate (as S)	S14-Jn05953	NCP	mg/L	< 2	< 2	<1	30%	Pass	
Duplicate									
Alkali Metals				Result 1	Result 2	RPD			
Calcium	M14-Jn07147	NCP	mg/L	0.58	< 0.5	140	30%	Fail	Q15
Magnesium	M14-Jn07147	NCP	mg/L	< 0.5	< 0.5	<1	30%	Pass	
Potassium	M14-Jn07147	NCP	mg/L	< 0.5	< 0.5	<1	30%	Pass	
Sodium	M14-Jn07147	NCP	mg/L	1.3	0.96	30	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic (filtered)	S14-Jn05088	NCP	mg/L	0.0060	0.0056	3.0	30%	Pass	
Cadmium (filtered)	S14-Jn05088	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Chromium (filtered)	S14-Jn05088	NCP	mg/L	0.0020	0.0017	4.0	30%	Pass	
Copper (filtered)	S14-Jn05088	NCP	mg/L	0.0030	0.0024	9.0	30%	Pass	
Iron (filtered)	S14-Jn05127	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Lead (filtered)	S14-Jn05088	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury (filtered)	S14-Jn05088	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel (filtered)	S14-Jn05088	NCP	mg/L	0.0020	0.0020	9.0	30%	Pass	
Zinc (filtered)	S14-Jn05088	NCP	mg/L	0.012	0.012	4.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C10-C14	S14-Jn05405	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S14-Jn05405	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S14-Jn05405	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	S14-Jn05405	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S14-Jn05405	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S14-Jn05405	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Fluoranthene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	S14-Jn05405	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	No
Organic samples had Teflon liners	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q15	The RPD reported passes Eurofins | mgt's Acceptance Criteria as stipulated in SOP 05. Refer to Glossary Page of this report for further details

Authorised By

Jean Heng	Client Services
Bob Symons	Senior Analyst-Inorganic (NSW)
James Norford	Senior Analyst-Metal (NSW)
Ryan Hamilton	Senior Analyst-Organic (NSW)
Ryan Hamilton	Senior Analyst-Volatile (NSW)

Dr. Bob Symons

Laboratory Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

Appendix F - Proposed Site Plan and Lot Layout Plan

(JBA Drawing nos A and B, August2014)

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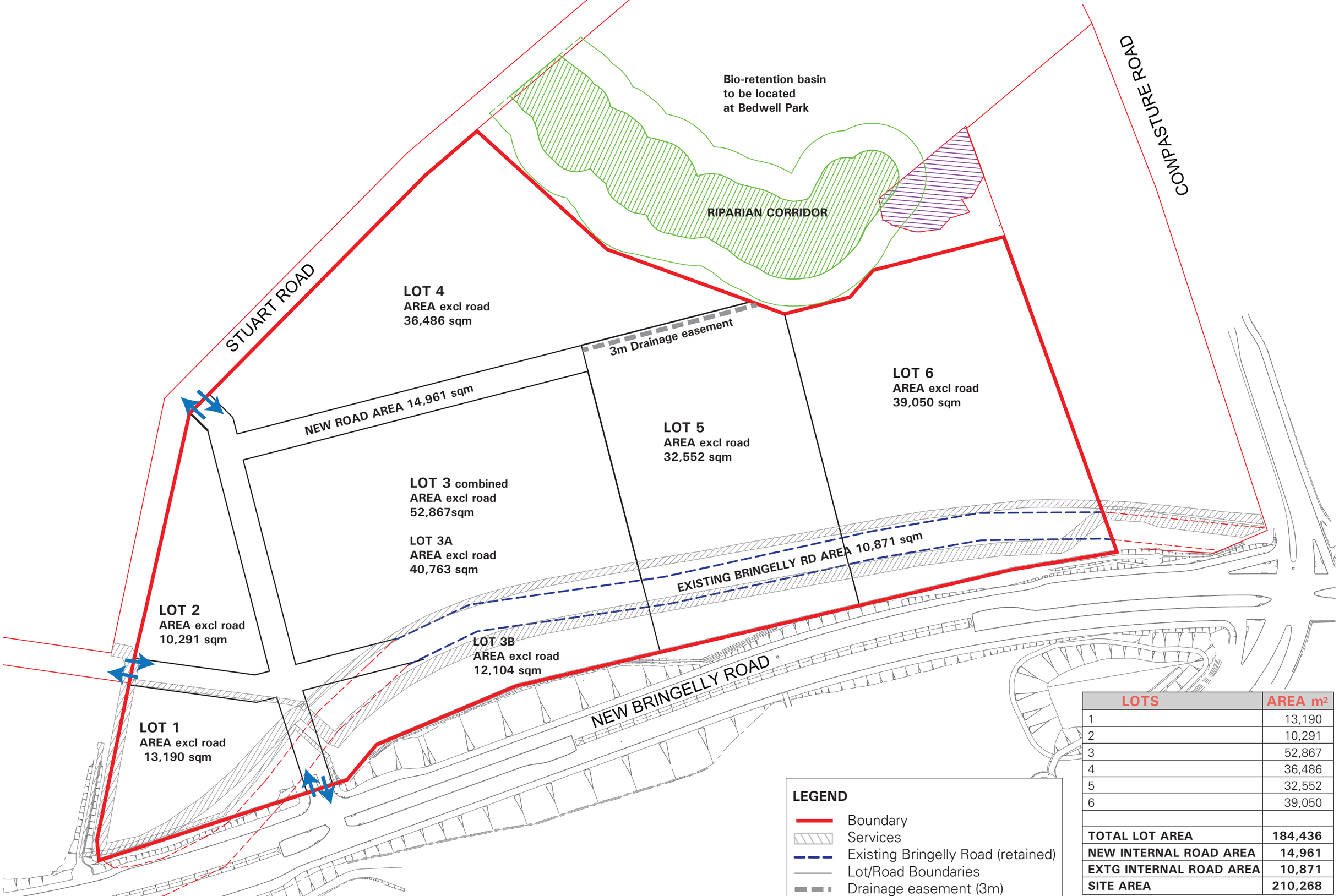


LOTS	AREA m²
1	13,190
2	10,291
3	52,867
4	36,486
5	32,552
6	39,050
TOTAL LOT AREA	**184,436**
NEW INTERNAL ROAD AREA	**14,961**
EXTG INTERNAL ROAD AREA	**10,871**
SITE AREA	**210,268**

LEGEND

- Boundary
- Services
- Existing Bringelly Road (retained)
- Lot/Road Boundaries
- Drainage easement (3m)

0 10 50 100 200m

Scale: 1:2500 @A3

Site Plan

13525 | Bringelly Road, Leppington

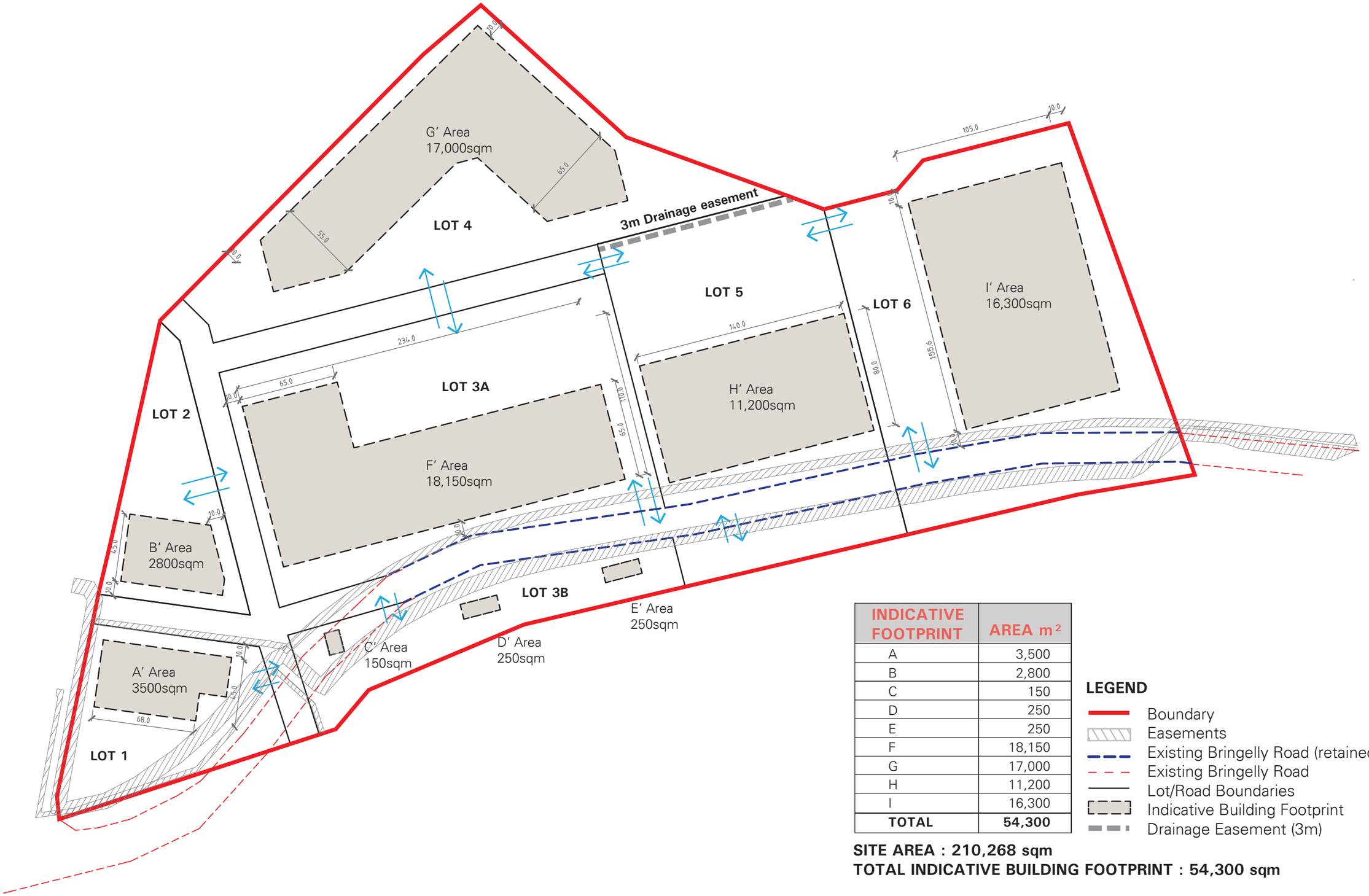
Drawing No.: A

JBA

Prepared for : Western Sydney Parklands Trust

JBA - Urban Development Services
ABN 84 060 735 104 ACN 060 735 104 www.jbaaust.com
Level 7, 77 Berry Street North Sydney NSW 2060 t +61 2 9956 6962

Revision No.	Revision Date:	Revision Details:	Approved By:	File name:
7	25_08_14	FINAL	GK	SITE PLAN_30_07_14



INDICATIVE FOOTPRINT	AREA m²
A	3,500
B	2,800
C	150
D	250
E	250
F	18,150
G	17,000
H	11,200
I	16,300
TOTAL	**54,300**

LEGEND

- Boundary
- Easements
- Existing Bringelly Road (retained)
- Existing Bringelly Road
- Lot/Road Boundaries
- Indicative Building Footprint
- Drainage Easement (3m)

SITE AREA : 210,268 sqm

TOTAL INDICATIVE BUILDING FOOTPRINT : 54,300 sqm

JBA

Prepared for : Western Sydney Parklands Trust

JBA - Urban Development Services
ABN 84 060 735 104 ACN 060 735 104 www.jbaaust.com
Level 7, 77 Berry Street North Sydney NSW 2060 t +61 2 9956 6962

Revision No.	Revision Date:	Revision Details:	Approved By:	File name:
6	25_08_14	FINAL	GK	LOT LAYOUT PLAN_30_07_14

0 10 50 100 200m

Lot Layout Plan

13525 | Bringelly Road, Leppington

Scale: 1:2500 @A3

Drawing No.: B

Appendix G - Investigation Location Plan

(Figure 1 from GEOTLCOV25068AA-AE)

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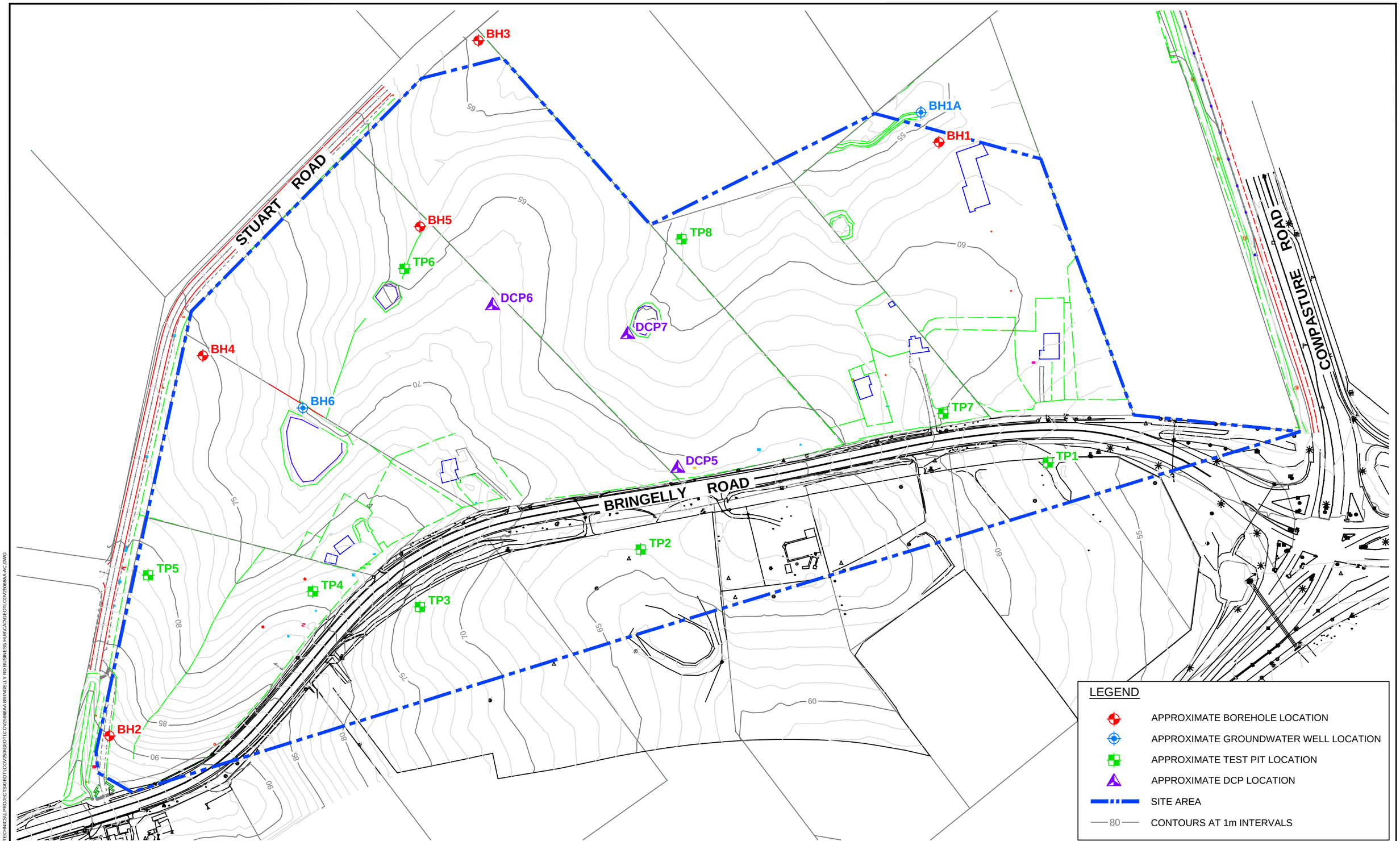

revision	no.	description	drawn	approved	date

10 0 10 30 50

Scale (metres) 1:2500

drawn	CL / AW
approved	-
date	20 / 06 / 14
scale	AS SHOWN
original size	A3

coffey

client: WESTERN SYDNEY PARKLANDS TRUST

project: BRINGELLY ROAD BUSINESS HUB
BRINGELLY ROAD, BUSINESS PARK, NSW

title: INVESTIGATION LOCATION PLAN

project no: GEOTLCOV25068AA-AC | figure no: FIGURE 3 | rev: A

PLOT DATE: 20/06/2014 2:59:43 PM DWG FILE: F:\GEOTECH\NCS\L1-PROJECTS\GEOTLCOV25\GEOTLCOV25068AA BRINGELLY RD BUSINESS HUB\CAD\GEOTLCOV25068AA-AC.DWG